	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LLINOIS, South				
SALINE COUNTY				
MUDDY	08/03/07 13:08 CST		0	Hail (0.75 in)
	08/03/07 13:08 CST		0	37.77N, 88.52W
SALINE COUNTY				
HARRISBURG	08/03/07 13:16 CST		0.15M	Thunderstorm Wind (EG 65 kt)
5.0 S CARRIERS MILLS	08/03/07 13:30 CST		0	37.73N, 88.55W ~ 37.6077N, 88.65W
lamaged, fencing was damaged, a vindows of four businesses were b	and utility poles were down. Trees lar	ided on a cattle d. Portions of th	barn and conces	Harrisburg, the grandstands were heavily sion stand. Elsewhere around the city, doors and off an auto body shop and a utility service
SALINE COUNTY				
HARRISBURG	08/03/07 13:25 CST		0	Heavy Rain
	08/03/07 13:45 CST		0	37.73N, 88.55W
A few motorists were stranded in f	loodwaters. A lot of localized flooding	was reported.		
JOHNSON COUNTY				
CYPRESS	08/03/07 14:50 CST		2K	Thunderstorm Wind (EG 50 kt)
	08/03/07 14:50 CST		0	37.37N, 89.02W
A few trees were blown down.				
ALEXANDER COUNTY				
THEBES	08/03/07 15:40 CST		2K	Thunderstorm Wind (EG 50 kt)
ITILDLO	00/00/01 10.10 001			
MEDES	08/03/07 15:40 CST		0	37.22N, 89.47W
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Trees were down on Old Route 3. A cluster of thunderstorms produced during the heat of the IL-Z075) JEFFERSON, (IL-Z076) IL-Z083) WHITE, (IL-Z084) JACK	08/03/07 15:40 CST duced isolated wind damage as it treed ay along an inverted trough of low WAYNE, (IL-Z077) EDWARDS, (IL-Z080), (IL-Z085) WILLIAMSON, (IL-Z085)	ow pressure ex Z078) WABASH 2086) SALINE, (o southwest throtending northward, (IL-Z080) PER	37.22N, 89.47W bugh southern Illinois. The storms ard from the Lower Mississippi Valley. RY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON ATIN, (IL-Z088) UNION, (IL-Z089) JOHNSON,
Trees were down on Old Route 3. A cluster of thunderstorms produced during the heat of the IL-Z075) JEFFERSON, (IL-Z076) IL-Z083) WHITE, (IL-Z084) JACK	08/03/07 15:40 CST duced isolated wind damage as it treed day along an inverted trough of to	ow pressure ex Z078) WABASH 2086) SALINE, (o southwest throtending northward, (IL-Z080) PER	37.22N, 89.47W bugh southern Illinois. The storms ard from the Lower Mississippi Valley. RY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON ATIN, (IL-Z088) UNION, (IL-Z089) JOHNSON,
Trees were down on Old Route 3. A cluster of thunderstorms produced developed during the heat of the (IL-Z075) JEFFERSON, (IL-Z076) (IL-Z083) WHITE, (IL-Z084) JACK	08/03/07 15:40 CST duced isolated wind damage as it treed ay along an inverted trough of low WAYNE, (IL-Z077) EDWARDS, (IL-XOON, (IL-Z085) WILLIAMSON, (IL-Z093) N, (IL-Z092) ALEXANDER, (IL-Z093)	ow pressure ex Z078) WABASH 2086) SALINE, (o southwest thro tending northway I, (IL-Z080) PER IL-Z087) GALLA -Z094) MASSAC	37.22N, 89.47W rough southern Illinois. The storms and from the Lower Mississippi Valley. RY, (IL-Z081) FRANKLIN, (IL-Z082) HAMILTON ATIN, (IL-Z088) UNION, (IL-Z089) JOHNSON,
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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
EDWARDS COUNTY				
ALBION	08/15/07 16:31 CST		20K	Thunderstorm Wind (EG 52 kt)
	08/15/07 16:31 CST		0	38.38N, 88.05W
Numerous large tree limbs and a few	large trees were blown down. Sor	me of the tree lin	nbs severed pow	er lines. At least five utility poles were snapped.
EDWARDS COUNTY	00/45/07 40 47 007		•	11.11.44.00 1.)
ALBION	08/15/07 16:47 CST		0	Hail (1.00 in)
	08/15/07 16:47 CST		0	38.38N, 88.05W
WAYNE COUNTY				
FAIRFIELD	08/15/07 17:28 CST		0.15M	Thunderstorm Wind (EG 65 kt)
5.0 E FAIRFIELD	08/15/07 17:40 CST		0	38.38N, 88.37W ~ 38.38N, 88.2778W
solated severe thunderstorms de southeast from a weak low near th	ephone poles were blown down. A veloped during the heat of the d	cornfield was fla	attened.	d. At least a few of the downed trees landed on weak surface trough extending
WABASH COUNTY				
MT CARMEL	08/16/07 12:20 CST		15K	Thunderstorm Wind (EG 52 kt)
	08/16/07 12:20 CST		0	38.42N, 87.77W
Frees were blown down on houses o	on the west end of Mt. Carmel			
		day. A weak sı	U	
IL-Z077) EDWARDS, (IL-Z078) WA IL-Z085) WILLIAMSON, (IL-Z086) S	BASH, (IL-Z080) PERRY, (IL-Z08 SALINE, (IL-Z087) GALLATIN, (IL	1) FRANKLIN, (IL-Z082) HAMIL	TON, (IL-Z083) WHITE, (IL-Z084) JACKSON, SON, (IL-Z090) POPE, (IL-Z091) HARDIN, (IL-Z09
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Isolated severe thunderstorms occurred during the heat of the day. The storms occurred along a weak cold front that extended

A number of large trees were toppled.

Page 2 of 6 11/11/2007

Location Date/Time Deaths & Property & Event Type and Details Injuries Crop Dmg

injunios orop

southwest from low pressure over the Great Lakes region.

INDIANA, Southwest

(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER

08/05/07 11:00 CST 0 Hea

08/09/07 18:00 CST 0

Surface high pressure located over the Deep South remained nearly stationary. A persistent hot and humid southwest wind flow around this high brought an extended period of dangerously high heat indices, ranging from 105 to 110 degrees on several afternoons. Four cooling centers were opened in Evansville/Vanderburgh County. 46 people attended the shelters. A count of heat-related illnesses was unavailable from local hospitals.

(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER

08/15/07 12:00 CST 0 Heat

08/16/07 16:00 CST 0

A large and strong high in the upper levels of the atmosphere brought a resurgence of triple digit heat. Heat indices again topped 105 degrees on a couple of afternoons. The primary utility company serving southwest Indiana set record usage peaks. This resurgence of heat was part of a longer term heat wave that lasted nearly all of August. At Evansville, this August tied the August of 1900 and 1995 for the second warmest on record. The preliminary monthly average temperature was 83.4 degrees, which was nearly a degree behind the record of 84.1 degrees set in 1936. Evansville set records for most consecutive days with highs of at least 90 and 95 degrees. Through and including August 16, there were 14 consecutive days of highs of 95 or above. The previous record was 12. Through and including August 29, there were 31 consecutive days at or above 90. This surpassed the previous record of 27 consecutive days in 1936. The high of 104 degrees on the 15th was one degree shy of the monthly record for August. There were six days with highs of at least 100 degrees.

(IN-Z081) GIBSON, (IN-Z082) PIKE, (IN-Z085) POSEY, (IN-Z086) VANDERBURGH, (IN-Z087) WARRICK, (IN-Z088) SPENCER

08/21/07 00:00 CST 0 Drought

08/31/07 23:59 CST 0

Severe drought conditions over western Kentucky at mid-month overspread southwest Indiana late in August. A persistent 500 mb high over the southeast and south central U.S. steered rain-producing systems north and west of the Lower Ohio Valley. Isolated thunderstorms provided what little rainfall there was. The monthly total at the Evansville airport was 0.99 inch. For the year-to-date, the rainfall at Evansville was 7.76 inches below normal. Soil moisture in the top 12 inches was running 40 to 50 percent below normal. Statewide across Indiana, 69 percent of pasture land, 21 percent of the soybean crop, and 24 percent of the corn crop were rated poor or very poor. A ban on outdoor burning was imposed in Evansville and surrounding areas within four miles.

KENTUCKY, Southwest

CALLOWAY COUNTY			
LYNN GROVE	08/02/07 13:30 CST	15K	Thunderstorm Wind (EG 61 kt)
	08/02/07 13:30 CST	0	36.6N, 88.43W

A small tobacco barn was blown into the middle of a county road. Part of the roof was blown off a nearby home, allowing water to damage the interior. Several trees were blown down.

CHRISTIAN COUNTY				
0.2 E HERNDON	08/02/07 16:01 CST	0	Hail (1.00 in)	
	08/02/07 16:01 CST	0	36.73N, 87.5664W	
CHRISTIAN COUNTY				
HERNDON	08/02/07 16:01 CST	5K	Thunderstorm Wind (EG 50 kt)	
	08/02/07 16:01 CST	0	36 73N 87 57W	

Numerous large tree limbs were blown down. A few small trees were down.

A couple of thunderstorms briefly pulsed up to severe levels during the heat of the day.

Page 3 of 6 11/11/2007

Ir	njuries	Crop Dmg	
LIVINGSTON, (KY-Z008) MARSHALL, (KY-Z009) CALLOWAY, (KY-Z010)	CRITTENDE	EN, (KY-Z011) LYON, (KY-Z0	12) TRIGG, (KY-Z013) CALDWELL,
(KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z016) HOPKINS, (KY-Z017) CHRISTIAN	I, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS, (KY-Z020)
MCLEAN, (KY-Z021) MUHLENBERG, (KY-Z022) TODD			

Deaths &

Property &

Event Type and Details

08/03/07 00:00 CST 0 Drought

08/31/07 23:59 CST

Date/Time

Location

Severe drought conditions near the Tennessee border at the start of the month overspread the remainder of western Kentucky. By the end of the month, the severe drought worsened to the extreme drought category for all but the Henderson/Owensboro area. A persistent 500 mb high over the southeast and south central U.S. steered rain-producing systems north and west of Kentucky. At Paducah, August 28 was the only day of the month when more than .01 inch fell. A thunderstorm on that day dropped 1.16 inches. The monthly total of 1.17 inches was the eighth lowest on record for August. Some locations in western Kentucky were running 12 to 18 inches below normal for the year-to-date. Paducah was 7.08 inches below normal. The Commonwealth of Kentucky maintained a Water Shortage Watch for Muhlenberg County, where dry conditions created the potential for drinking water supply problems. The city of Marion in Crittenden County asked residents to voluntarily reduce water use and limit outdoor watering. Marion residents were asked to follow an odd/even watering schedule. In Christian County, the water authority asked customers to limit landscape watering to four days per week. The main impact of the dry conditions was the low production of hay for livestock feed. The USDA declared 17 Kentucky counties agricultural disaster areas due to ongoing drought. These counties along the Tennessee border were designated as contiguous disaster areas. Soil moisture deficits in the top 12 inches of soil were running up to one to one and one-half inches below normal. Statewide, 71 percent of pasture land, 19 percent of the tobacco crop, 37 percent of the soybean crop, and 25 percent of the corn crop was rated poor or very poor. Crop damage estimates were not available yet. Fire danger was high to extreme at times, depending on wind and relative humidity levels. A few large fires in excess of 100 acres occurred. A woods fire that threatened a TVA power plant near Drakesboro in Muhlenberg County burned about 450 acres. Another fire in northern Graves County between Mayfield and Fancy Farm torched about 200 acres, mostly farm fields. In the southeast corner of Graves County near Bell City, another fire burned about 250 acres of grass, cornfields, and woods. A burn ban was initiated in all western Kentucky counties. Due to low flows on rivers, hydroelectric power generated at dams owned by the Tennessee Valley Authority was less than half of normal. Low water levels on the major rivers forced barge operators to lighten loads.

(KY-Z001) FULTON, (KY-Z002) HICKMAN, (KY-Z003) CARLISLE, (KY-Z004) BALLARD, (KY-Z005) MCCRACKEN, (KY-Z006) GRAVES, (KY-Z007) LIVINGSTON, (KY-Z008) MARSHALL, (KY-Z009) CALLOWAY, (KY-Z010) CRITTENDEN, (KY-Z011) LYON, (KY-Z012) TRIGG, (KY-Z013) CALDWELL, (KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z016) HOPKINS, (KY-Z017) CHRISTIAN, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS, (KY-Z020) MCLEAN, (KY-Z021) MUHLENBERG, (KY-Z022) TODD

Surface high pressure located over the Deep South remained nearly stationary. A persistent hot and humid southwest wind flow around this high brought an extended period of dangerously high heat indices, ranging from 105 to 110 degrees on several afternoons. In northern Christian County, heat was ruled as the secondary cause of death (indirect fatality) following an ATV accident. The primary cause of death was asphyxiation when the ATV rolled on top of him. About 40 people were treated at Paducah hospitals for heat illnesses, and at least five were treated at an Owensboro hospital. An exact count was not available from most hospitals. Schools moved sports team workouts indoors or cancelled them. The state highway department altered its hours for outdoor workers to begin earlier in the morning and end earlier in the afternoon. Cooling shelters were opened in Paducah, Madisonville, Hopkinsville, Owensboro, and Mclean County. Some utilities set usage records, including Kentucky Utilities and TVA (Tennessee Valley Authority).

(KY-Z001) FULTON, (KY-Z002) HICKMAN, (KY-Z003) CARLISLE, (KY-Z004) BALLARD, (KY-Z005) MCCRACKEN, (KY-Z007) LIVINGSTON, (KY-Z010) CRITTENDEN, (KY-Z014) UNION, (KY-Z015) WEBSTER, (KY-Z017) CHRISTIAN, (KY-Z018) HENDERSON, (KY-Z019) DAVIESS

08/15/07 12:00 CST 0 Heat 08/16/07 16:00 CST 0

A large and strong high in the upper levels of the atmosphere brought a resurgence of triple digit heat. Heat indices again topped 105 degrees on a couple of afternoons. This resurgence of heat was part of a longer term heat wave that lasted nearly all of August. This was the hottest August on record at Paducah. The preliminary average temperature of 83.6 degrees broke the old record for August, which was 82.9 in 1980. Paducah records extend back to 1937. The record for longest stretch of consecutive days with highs at or above 95 degrees was tied. Through and including August 19, there were 18 consecutive days of highs of 95 or above. Paducah recorded its third longest streak of days with highs of at least 90 degrees. August 24 marked the 30th consecutive day of 90-plus highs. The high temperature of 105 degrees on the 16th was one degree shy of the monthly record for August and three degrees shy of the all-time record for Paducah. The high reached at least 100 degrees on eight days during the month.

 MCCRACKEN COUNTY

 1.5 W BARKLEY ARPT
 08/28/07 16:10 CST
 6K
 Thunderstorm Wind (EG 50 kt)

2.0 WNW BARKLEY ARPT 08/28/07 16:10 CST 0 37.07N, 88.7972W ~ 37.0811N, 88.8035W

Large tree limbs were blown down. Shingles were blown off. The damage area was just west of the Barkley Regional Airport and about one mile either side of U.S. Highway 60.

An isolated severe thunderstorm event occurred during the heat of the day. A weak surface trough extended from west to east across

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Location Date/Time Deaths & Property & Event Type and Details

Injuries Crop Dmg

western Kentucky, which aided the development of storms.

MISSOURI, Southeast

(MO-Z076) PERRY, (MO-Z086) BOLLINGER, (MO-Z087) CAPE GIRARDEAU, (MO-Z100) WAYNE, (MO-Z107) CARTER, (MO-Z108) RIPLEY, (MO-Z109) BUTLER, (MO-Z110) STODDARD, (MO-Z111) SCOTT, (MO-Z112) MISSISSIPPI, (MO-Z114) NEW MADRID

08/06/07 12:00 CST 0

08/09/07 18:00 CST 6 0

Surface high pressure located over the Deep South remained nearly stationary. A persistent hot and humid southwest wind flow around this high brought an extended period of dangerously high heat indices, ranging from 105 to 110 degrees on several afternoons. A golfer overheated while playing at a tournament in Piedmont in Wayne County. The golfer was taken by ambulance to an area hospital. At least several other persons were treated for heat-related illnesses, but no exact count of heat-related cases was available from hospitals. Two cooling centers were opened in Cape Girardeau.

(MO-Z076) PERRY, (MO-Z086) BOLLINGER, (MO-Z087) CAPE GIRARDEAU, (MO-Z100) WAYNE, (MO-Z107) CARTER, (MO-Z108) RIPLEY, (MO-Z109) BUTLER, (MO-Z110) STODDARD, (MO-Z111) SCOTT, (MO-Z112) MISSISSIPPI, (MO-Z114) NEW MADRID

08/15/07 12:00 CST 1 0 Hea

08/16/07 16:00 CST 2 0

A large and strong high in the upper levels of the atmosphere brought a resurgence of triple digit heat. Heat indices again topped 105 degrees on a couple of afternoons. An elderly woman died of hyperthermia at Trail of Tears State Park in Cape Girardeau County, where she had been camping with family. The victim apparently fell asleep in an overheated vehicle. At least a few people sought treatment at local hospitals for heat exhaustion, but exact counts were not available from hospitals. Two cooling centers were opened in Cape Girardeau, and the city fire department asked citizens to check on homebound neighbors in poor health. This resurgence of heat was part of a longer term heat wave that lasted nearly all of August. At Cape Girardeau, the monthly average temperature of 82.1 degrees was the fifth warmest on record. At Poplar Bluff, the August average temperature of 82.5 degrees was tied for fourth warmest. Cape Girardeau set a record for the longest stretch of 90-degree plus high temperatures. Through and including August 24, there were 30 consecutive days of highs of 90 or above.

Direct Fatalities: F81VE

BUTLER COUNTY				
8.0 S POPLAR BLUFF	08/16/07 13:56 CST	0	Thunderstorm Wind (EG 56 kt)	
	08/16/07 13:56 CST	0	36.6343N, 90.4W	
A trained spotter estimated wind g	usts from 60 to 65 MPH.			
PERRY COUNTY				
FROHNA	08/16/07 14:15 CST	0	Hail (1.00 in)	
	08/16/07 14:15 CST	0	37.63N, 89.63W	
CARTER COUNTY				
1.0 S VAN BUREN	08/16/07 18:45 CST	8K	Thunderstorm Wind (EG 52 kt)	
	08/16/07 18:45 CST	0	36 9855N 91 02W	

In south Van Buren, extensive tree damage occurred at a campground and adjacent private property. A canoe trailer was blown over.

WAYNE COUNTY			
3.0 NE LOWNDES	08/16/07 20:30 CST	4K	Thunderstorm Wind (EG 52 kt)
	08/16/07 20:30 CST	0	37.1807N, 90.2315W

Some trees were blown down. The roof of an old pole barn was blown off. The damage occurred very near the Bollinger County line.

Isolated severe thunderstorms developed during the heat of the day. A weak surface trough across far southern Missouri and southern Kentucky aided storm development.

(MO-Z076) PERRY, (MO-Z086) BOLLINGER, (MO-Z087) CAPE GIRARDEAU, (MO-Z100) WAYNE, (MO-Z107) CARTER, (MO-Z108) RIPLEY, (MO-Z109) BUTLER, (MO-Z110) STODDARD, (MO-Z111) SCOTT, (MO-Z112) MISSISSIPPI, (MO-Z114) NEW MADRID

08/21/07 00:00 CST 0 Drought

08/31/07 23:59 CST 0

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Location Date/Time Deaths & Property & Event Type and Details Injuries Crop Dmg

Severe drought conditions over western Kentucky at mid-month overspread southeast Missouri late in August. A persistent 500 mb high over the southeast and south central U.S. steered rain-producing systems north and west of the Mid-Mississippi Valley. This was the driest month on record at the Cape Girardeau airport and the driest August at Poplar Bluff. The monthly rainfall was just 0.01 inch at the Cape Girardeau airport. At Poplar Bluff, the preliminary monthly rainfall was 0.24 inch. West of Poplar Bluff, no measurable rainfall was recorded during the month of August at Doniphan. Soil moisture in the top 12 inches of soil was 40 to 50 percent below normal. This greatly affected agriculture. 100 percent of the pasture land across southeast Missouri was rated poor or very poor. 53 percent of the soybean crop was rated poor or very poor. 20 percent of the corn crop was poor or very poor. Crop damage estimates were not available. Due to high fire danger, burning bans were initiated in Cape Girardeau and Mississippi Counties. A large wildfire in Carter County burned 100 to 200 acres.

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